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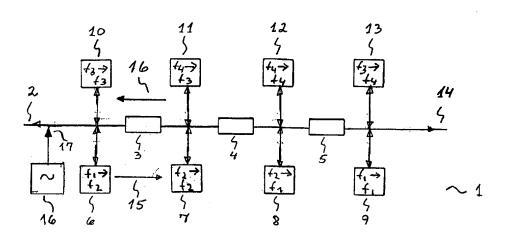
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(54) Title: SIGNAL REPEATER SYSTEM



(57) Abstract: Analogue signal repeater system, (1) where frequency converting repeaters (6-9, 10-13)' of super-heterodyne or superregenerative type realised with any of discrete semiconductors, MMIC semiconductors, ASIC semiconductors are applied to optimize signal dynamics by avoiding echo between repeaters (6-9, 10-13) and where each information channel (15, 16) in the system only needs two frequency bands, where each second repeater (7, 9, 12, 10) of the signal cascade (2, 14) repeating the signals within the same frequency band to increase isolation against interference between repeaters and against reflections and signal echo.